IN THE CLAIMS:

1. (Currently Amended) A modified propylene based polymer obtained by modifying at least one propylene based polymer selected from the group consisting of

(a) a propylene homopolymer, (b) a random copolymer of propylene and α-olefin, (c) a block copolymer of propylene and α-olefin, and (d) a graft copolymer of propylene and α-olefin, with a radical initiator [[,]] and a compound containing in the same molecule an ethylenic double bond and a polar group, the modified propylene based polymer satisfying the following (1) to (4):

(1) the content of polar group moieties resulting from a compound containing in the same molecule thereof an ethylenic double bond and a polar group is from 0.10 to 0.30 mmol/g,

(2) the intrinsic viscosity ([η]A) measured at 135°C in tetralin is from 0.8 to 3.0 dl/g,

(3) the molecular weight distribution (Mw/Mn) is more than 2.5, and

(4) the content of components in the modified propylene based polymer having a molecular weight (Mw) of 10,000 or less is 5% or less by weight.

2. (Previously presented) The modified propylene based polymer according to claim 1, wherein the ratio of the intrinsic viscosity ([η]A) thereof to the intrinsic viscosity ([η]S) of a propylene based polymer that is a starting material of the modified polymer ([η]A/[η]S) is 0.2 or more.

3. (Original) The modified propylene based polymer according to claim 1, wherein the compound containing in the same molecule thereof an ethylenic double bond and a polar group is an unsaturated carboxylic acid and/or a derivative thereof.

4. (Previously Presented) A process for producing the modified propylene based polymer according to claim 1, which comprises blending a propylene based polymer, a radical initiator, and a compound containing in the same molecule thereof an ethylenic double bond and a polar group; and melting and kneading the resultant blend at a temperature of not lower than the melting point of the propylene based polymer and 180°C or less.

5. (Original) A polyolefin resin composition comprising the following (A), (B) and (C), or the following (A), (B), (C) and (D):

(A) a polymer synthesized from an α-olefin having 3 or more carbon atoms,

(B) the modified propylene based polymer according to claim 1,

(C) an organized layer inorganic compound, and

(D) a rubbery polymer.

6. (Original) A polyolefin resin composition comprising the following (A), (B) and (C), or the following (A), (B), (C) and (D);

(A) a polymer synthesized from an α-olefin having 3 or more carbon atoms,

(B) the modified propylene based polymer according to claim 2,

(C) an organized layer inorganic compound, and

(D) a rubbery polymer.

7. (Original) A polyolefin resin composition comprising the following (A), (B) and (C), or the following (A), (B), (C) and (D);

(A) a polymer synthesized from an α-olefin having 3 or more carbon atoms,

(B) the modified propylene based polymer according to claim 3,

(C) an organized layer inorganic compound, and

(D) a rubbery polymer.

8. (Previously Presented) The polyolefin resin composition according to claim 5, wherein the melt flow rate of the α-olefin polymer (A) is from 0.1 to 200 g/10-minutes, and the α-olefin polymer (A) is a homopolymer or a copolymer of a first α-olefin that has 3 or more carbon atoms and 0 to 20% by weight of a second α-olefin that is different from the first α-olefin and has 2 to 20 carbon atoms.

9. (Previously Presented) A process for producing the polyolefin resin composition according to claim 5, which comprises blending the (A), (B) and (C), or the (A), (B), (C) and (D); and then melting and kneading the resultant blend.

10-19. (Canceled)

20. (Currently amended) The polyolefin resin composition according to claim ~~19~~ 24, wherein the melt flow rate of the α-olefin polymer (A) is from 0.1 to 200 g/10-minutes, and

the α-olefin polymer (A) is a homopolymer or a copolymer of a first α-olefin that has 3 or more carbon atoms and 0 to 20% by weight of a second α-olefin that is different from the first α-olefin and has 2 to 20 carbon atoms.

21. (Currently amended) A process for producing the polyolefin resin composition according to claim ~~19~~ 24, which comprises blending the (A), (B) and (C), or the (A), (B), (C) and (D); and then melting and kneading the resultant blend.

22. (Canceled)

23. (New) The process for producing the modified propylene based polymer according to claim 4, wherein the resultant blend is molten and kneaded from a plasticizing zone to a die at a temperature of not lower than the melting point of the propylene based polymer and less than 180°C.

24. (New) A polyolefin resin composition comprising the following (A), (B) and (C), or the following (A), (B), (C) and (D):

(A) a polymer synthesized from an α-olefin having 3 or more carbon atoms,

(B) the modified propylene based polymer according o claim 1,

(C) an organized layer inorganic compound, and

(D) a rubbery polymer,

which composition does not contain glass fiber.